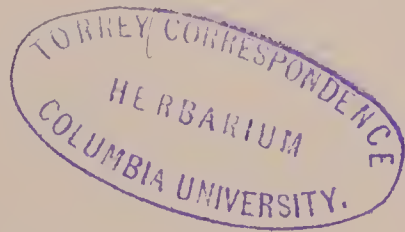


103.

Broton Monday 25th July 1842



My Dear Doctor

Having true before the main lines
 & into a humid letter, I hasten to let you know that
 I have this morning secured a house at Cambridge
 at a retired house, at the main road, and has
 way between the College & the Garden. I have two rooms
 one pretty large, one moderate (which I shall make
 a bedroom &c - a small very dark bed-room
 which I shall have and use for heronium - and
 two closets - furnished decently (but not extra fine
 !!) in a house where there can at most be only
 one other lodger, and he must ascend by a disagreeable
 staircase. For nine - - for \$3.00 per week. -
 the rooms and bed - linen &c. See list in order.
 I am to board - at an adjacent house, & which
 I have access by a private gate thro. the garden.
 The latter house belongs to Mrs. Pick the mistress of my
 predecessor - who boards there, and who I see has
 bestowed herself to continue and effect this arrangement.

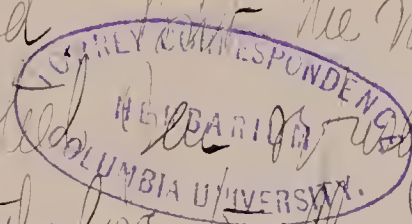
I am to take possession next Monday. Meanwhile
I am Mr. Green's guest here, where I have the
house for the next part to myself. I arrived here
Friday morning. Just in time to miss the President
who had just started for Portland, and has not yet
returned. I have seen Bigelow, & we are to and have
been looking about among the libraries here and
arranging to arrange matters so as to procure
just and any such books for the College as are
wanting. I am pleased to find a complete copy of
Linnæa at the library of the Amer. Acad. filed. Sh.
& etc.

I passed last Sunday all alone in Green's
room. Mr. Green met me coming in on Park St.
and on telling him that I was of Portland
said he was very glad to hear it, and
tried to not let me see that way himself.
I have been down twice at Cambridge - where
I have just returned - and where I have not yet
received a letter - But I can do little there until the President
returns, by which time however, I trust to have my list

I took early, and up with
Mr. Wiley & saw many books and some new
work to get ready in working order. I don't
think of remaining here studying Catechisms
&c. for the month of August and with extra
amusement which will be to be desired
that month. Then writing Prof. Washington, if I can
get money and a cheap dinner (I have not taken)
and in September going (via New York) to Boston
Mass. where I wish to collect notes &c. as soon
early as may be. I will soon make out a list
of some things I would like to see. I get
for me in the Price & more.

I am to hear of our new Herbert,
and whether the new apparatus is likely to answer the purpose
I hope or may. I hope the girls will meet, and Mrs. W.
also, if she has had time in the multiplicity of her
household occupations, which I suspect are increased
by a country residence. Tell Wiza also that I must
not write her about a married lady in these parts;
who assists her husband in his school, and is a

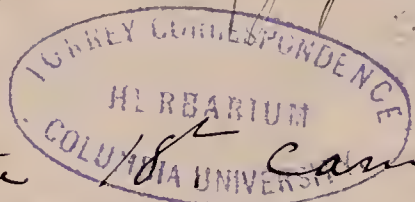
much greater scholar than he, yet who hears the
boys recitations in Greek and Geometry, at the ironing-
board, while she is smoothing their shirts & jackets! -
read German auction while she is stirring her
saddles, and has a German book before her when
writing! (?) netting). There is nothing like some least for
learned women. (Who ever the Nation gets at Lowell edit
within a magazine which are excellent magazines told me
how many better written articles than the North American
review. Since I started, having fitted their brothers for college at
home, come to Lowell to earn money enough to send them
- might!! Give us Linnæus. There will be no use
in me in this regard. Earn my own occu-
pation may soon be gone for I and old Kat
(Mrs Ripley - the learned lady I foresaid) (of Salem) is the
best botanical & the country owned. But the main is
about to die. - the nasty old herbarium & mit-
timber is ready, and so with love to all I subscribe
myself. - Yours most affectionately



A. Gray.
Oxoid, Gls. Milton, Cambridge May 2d 1888. Original
sent to Mrs. Gray.

Wednesday Evening

Outlook of going to Cambridge 1872
July 27



My Dear Doctor

Your kind letter of the 18th came so late - my books being chiefly packed, and time pressing greatly - having moreover received an intimation that I am wanted at Cambridge - the order for 10,000 Dollars worth of books standing awaiting my list for \$1000 of it - that I must send you Nicolette's box as it is. All the Compos. you will find carefully labelled secundum Floram, so far as Flora has gone. The others I have taken a specimen of those which looked important, when there were several in the Coll. It is an interesting collection, and I am sorry it is remanded. I trust that, acting upon Nicolette's proposal, you will return a specimen of the more interesting when there are several - as is mostly the case. There will be little difficulty in making out catalogue up to Compositae, and in several other families. Of the rest, it cannot be done in the satisfactory manner one wd desire. I am sorry it happens that

I cannot aid you.

Oakes has lost a child. Some difficulty has occurred about my lodgings engaged by Greene at Cambridge. I shall therefore leave my formidable array of boxes here - storing away as well as I can - for a week or two, until I know where they are to be put. Then Wiley is to have them sent on to me by the R. Road. I shall arrange with him to pay the freight here, making it up to him in 3 or 4 weeks; as I have little cash left. [Also a separate copy for yourself.]

Mrs. J. takes a little box containing 18 Copies of Bot. Text-Book, which is very neat-looking and very cheap. \$1.50. They are charged to me at the

trade price \$1.20. Will you - Mrs. Charles
or the agent you spoke of, supply your boys &
and in Sept. return the trade price for those
sold. - \$5.40, will thus be made if all are sold, wh.
you may give to Mrs. T. - or do what you please with it.
The trade price is all Wiley expects, and now you to give
him more, I should derive no benefit from it.
If you want more (which is not likely!), a line to Wiley
will bring them. I suppose Henry will want a copy
for his friend Prof. Henslow.

The Tin coat, as our beloved Herbert calls it,
is made, and I hope will, to a great degree, with God's
blessing restore the dear child. He is himself mightily
pleased with it.

I settled the Pixie business nearly as well as I could
expect, paying \$5. in addition to the 72 you gave
me

	\$ 5.00
Paid balance of Gregory's bill of \$14.92 -	10.11.
Old balance - (on Endlicher)	7.00
Postage (partly from Dr Postman)	1.40
Subsistence and little matters for the last day or two -	50
Cartage to-morrow morning -	25.
	\$ 24.26

Then you have it, in business fashion.
If your pocket happens to get plethoric in a month or
so please send or hand it to Wiley Putnam - to go
against freight and other expenses they will advance for me.
The \$13. in account of M. A. Curtis, and the \$6.9
Krieskem - which stand charged to me at N. & P. may
as well remain until autumn. I record it here, as I
have no memorandum.

Suppose you write a puff on my book for your
Princeton paper. - or that in Newark - I forget
the name. Darlington is to give a critique on
Silliman.

Chancing to look in the Cultivator. I see Dr.
L. C. Beck has commenced a series of articles on
the Needs of Agriculture (poaching on your demesne),

promising to give them hereafter in a more permanent form. The last no. (I suppose) has it. You must look after it.

If nothing prevents my early settlement at Cambridge I shall hope next month to go on with the interminable Compositae. By that time you will perhaps have

formally attacked some of the following families. Let me know when you want specimens or books from me, and they shall be forthcoming.

- I cannot yet understand *Udora*: but the specimen here - had all lost the limb of the perianth, & the summit of the gynoecium; so that I have not yet seen with my own eyes - the open apex of the ovary? I want to examine it in a younger state. - also ripe fruit.

I see distinctly the open foramen at the apex of the ovules. I see distinctly the open foramen at the apex of the ovules. I see distinctly the open foramen at the apex of the ovules.

Mr Richard (Am. Mus.) figures the seed as anastropous. - There will be peculiar difficulties. Complications, I doubt not at Boston, and I need more grace than I have to sustain me. I am sure I need not ask an interest in your prayers in this behalf. I shall let you know how things go on.

I look forward to see you all again in Sept. or October. In the winter, when we are ready to print Flora again, I can doubtless sit ^{of absence} leave for a month or so for that purpose.

I remain truly and affectionately
Your attached

A. Gray



100
Pa
11

Dr. L. Torrey
Princeton.



129

My Dear Sir
HERBARIUM
COLUMBIANA DIST.
will date

on the other hand, yet the dead is dead. Why has Hooker been so long at New York, all go to N. & P. — As to Webster's affair, perhaps he does not mention in his letter to me, but I am going on with his reprint of Liebig's letter was announced by W. & P. to

he did not know work. but I suppose none of these lobata. I say what
up this new translator; but I suppose none of these lobata. I say what
the and know nothing of Onoclea in this region? I say what
it was been found in this region? I say what
Empetraceae, said in
Archiv.

is the evidence that
Klotzsch's notes
I hear have been
the Aug. no. of Journal of Botany, which I saw
has not yet come to hand (has taken Conrad's)

up his (Klotzsch's) Bakeria (Cormack) named by Don
and made of it Newfound land (Cormack) sold - in parcels!
to his net. has been sold - as many of Nicolle's plants
not up in due

I trust you will retain specimens of the new, especially, which we will fully receive. I am
possible. can save for me with Gnaphalium on hand. I trust
manuscript ready for the printer.

as possible. Any you can
time. Any you can
going on with the Compositae, has I am
you will have the Lobeliaceae in like condition.
I have the Compos. in like condition.
had no opportunity to make any arrangement
he has been so much occupied.
Your plan of knives =
I wish to see it - he has been so much occupied.

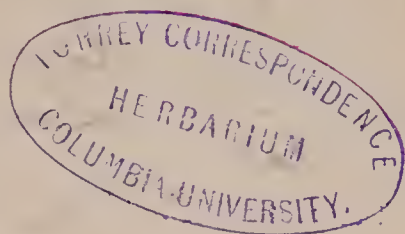
As yet I dare not risk giving an order to times
supplying the gardens abroad with live plants, until I have
the Press for getting them as far as possible,

it goes, bring him into account. I should like to assist
 written to many gardeners, offering to supply them
 and to take their plants in return. His dried specimens, whenever dis-

to many, duplicate in return. His dried specimens, whenever dis-
covered, are to take their plants and to him, whenever I can.

distributed in sets, can be turned at once into cash, and realized in six months. He must send his sets abroad at once, without waiting for particular orders. Let them be received and fulfilled by some one in London, say Pamphile, Tuckerman himself, and will see that letters or parcels for yourself are forwarded. Do you expect to lecture in Med. Coll. during October? I am glad to learn that 30 MacDougal St. is rented. —

Dr. John Torrey
Princeton
New Jersey

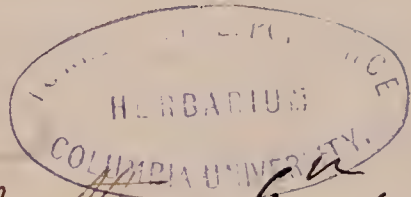
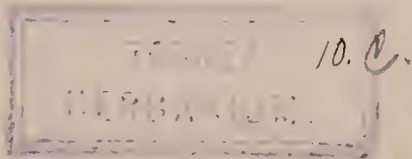


How is dear Herbert? any favorable appearance yet?
With love to all, I remain
Yours affectionately

Al Gray
Have you looked over Dr. Hunt's little parcel, and written to him? I just had a letter from John Gray. He says the new genus — that blackish plant of Chapman's is very near *Chaetospora* (*Schoenus*) *nigricans* of Europe, &c., if not the very same.

Cambridge 15th Sept. 1842.

My Dear Friend



Your letter of the 6th inst. awaited my return from the Wh. Mts. last evening and I must drop you a hasty reply by this day's mail. I started for the Mountains almost at a moment's warning. Emerson, who was to accompany me, being called down to Maine, wrote me expecting to meet him on Monday or Tuesday of last week at the Notch. I had just time to look up Tuckermans the very morning of his arrival! and to get his consent to meet me on Monday morning at the Cars for Dover. Monday evening we reached Conway N. H. 30 miles from the White Mts (full in sight); and Tuesday in a one-horse waggon we reached and botanized up the notch to Crawford's at its head. Emerson had been there, and returned to his father in Maine. Having learned his father's arrival from France in the ship that brought Tuckerman. We made two ascents to the higher mountains. - slept out one night - cold weather - a good deal of rain, but had some very fine weather for views. We saw the ocean distinctly, which is only possible under favorable circumstances. I made a fine collection of living plants, which was the chief object. Although too late for botanizing, yet I got many good alpine's in fruit, some few in flower. When I see you, which I trust will be soon I will tell you particularly and bring specimens of the few plants collected that will be needed in your Herb.

I have seen the Presid^t. this morning, and find that Mr. Lowell has returned, but all are

so busy that I doubt if there will settle
any thing about our affairs until the last of
next week. Consequently I shall be kept
here all next week. I shall immediately,
at Mr. Quincy's desire, or rather approval of my
intimation, ~~for~~ draw up a plan of my wishes
for the management of the garden, and shall
ask for a specific appropriation, of small amount
for obtaining live plants, paying bills of transpor-
tation &c. If I succeed, I may then be able
to engage Krieskem to procure some New Jersey
plants, as well as go to Western New York my-
self; but I fear this delay with the advancing
season will perhaps prevent the latter.

I will let you know, immediately any thing is
arranged. Make my apologies to Mrs. T. and
the girls for not writing them (which I will
soon do): but I had not a moment's time at
the Mountains, and to-day and to-morrow,
besides what I have already mentioned, the
taking care of the live plants, the revision of
proofs of Engelmann's paper in Silliman, now
lying before me, and the printer probably out
of patience - the preparation of some Bot. bibli-
ographical notices, &c. - will inevitably fill my
hands and head. All in good time.

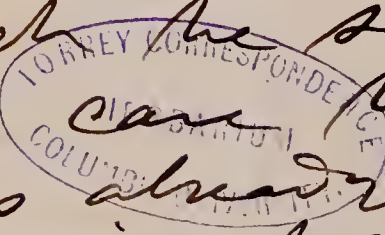
No letters from abroad. Tuckermans brings
none! A parcel from Hooker, contains London
Journ. & Bot. up to Aug. and another Leaves.

Hooker has been sick, which will account for his silence. Tuckerman brings a (like) parcel for you, which I will bring to you in a week or so, or else (if delayed) send to N.Y.

Another Steamship will soon be in, and I hope will bring letters.

The only way I may interfere with Krieskem is this (carrying out the plan formed last spring); that I must immediately offer (and indeed have offered already in many cases) to the Gardens abroad, live American plants in exchange for theirs, while Krieskem offers them for cash. So far as we offer the same things I fear I shall thus be in Krieskem's way, as the gardens had rather spare duplicate plants than cash.

If Krieskem also gets plants for us, I ~~must~~ shall also wish numerous specimens of the greater part, for the very purpose of sending abroad. I state the difficulty frankly, and do not see how it is to be entirely avoided. Provided K. supplies me as fully as I wish (at rates I can afford) I care not how much he sends abroad, but fear he will care how many I send. As he has already an engagement with Hooker, I will of course send no N. Jersey plants to K. I will do what I can with Nicotian's plants, when they reach me. I should imagine



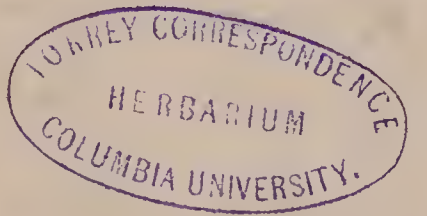
that the Decachæna Vaccina were normally
10-celled; but they may be like Linum.
I had noticed their few ovula of V. staminea.
I believe it is only 5-celled early in the season.
I have a fine lot of V. Vitis - Idea for the
garden. Oxycoenos must be reunited to Vac-
-cinum - for several reasons. Love to all, in
note - Ever truly Yours Gray

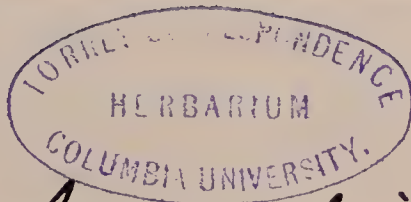
1874

Prof. John Torrey

Princeton

New Jersey





Nov. 3 1872.

Wednesday Evening, Cambridge.

My Dear Friend

Your kind letter of yesterday reached me opportunely this evening, just as I was about making up a small parcel to send you by express of to-morrow. With Griffith's paper, I send DeCaisne's translation, to which he has appended a few remarks. I send also the concluding part of Spach's Betulaceae (the former is now in Sullivan's possession): you are right about *Alnus viridis*, Spach has referred the *A. crispa* to it; and my memory somehow misled me. I will send you Spach's Rev. of Poplars & Elms whenever you need them. Oakes borrowed and has not yet returned my Griseb. back, so that I cannot comply with your request as to the synonym. of *Gentiana saponaria* &c. just yet. I find a letter from him. He promises me a visit soon. Steam ship is in to-day, but no letters (What can be the matter with Hooker?) and no Oct. no. of London Journal Botany. The last no. of Gardener's Chronicle contains a short but very good-natured notice of The Botanical Text-Book.

Will you kindly hand the enclosed to our good friend Carey, telling him that the M. P. whose address it gives sails in the Roscius on the 25th inst. and will take charge of the Case for Dr. Boott. Mr. B. has no earlier opportunity.

I have again to trouble you. On a shelf in the little room you have perhaps seen the plants from Buckley's Alabama Collection you gave me, with those laid out to be examined. I forgot them entirely, and must beg you to tie them up and send to W. & P. Very likely they will be in time for the parcel I expect from them.

I have a letter from Meisner, acknowledging the receipt of the parcel I sent him fully two years ago!! No wonder

he says he is ashamed to write me. However he sends some dried plants, a few brochures for Dr. Torrey, the Lyceum and myself, a parcel for Short, and two copies of his Monogr. Polyzg. one of which I am to give in his name to whoever wants it most. I think you possess it not. Mr. Shuttleworth also sends two parcels of Pyrenean plants. When the packet arrives I shall, in replying, ask them what they intend to do with Regel's plants.

Now that his paper is printed, Engelmann writes that he is at length satisfied that the same species does not ~~inhabit~~ inhabit a particular plant with any constancy, and therefore he wishes to change all his specific names of that sort.

- As to Floral Regions in N.Y. I have no information to give. The alpine and the maritime are the only marked, unless you make one of the cold wooded region of the north. Taking a little different view, I think you might show how certain plants come in from the north; others from the South along the coast; others by way of the Alleghany Mts., and again a large number from the West.

I am sorry for our dear Herbert. I thought the issue would have been made with caustic potash, and therefore not painful at first. I fear the progress of this malady is likely to afflict his dear parents ~~severely~~, and I think I shall feel it almost as deeply as they, for I am fondly attached to him. I think I must have made farther progress in his affection during our stay in New York, for he was quite sad at the idea of parting with me, and expressed his affection for me very touchingly. I assure you I miss him, and all of you very much, and feel quite lonely, not to say sad, since my return. May God bless him, and sanctify this his afflictive dispensation to his and our eternal benefit.

My hands are very full here. A week will yet elapse before I can hope to take up the Compositae.

I brought with me your Russian Index
Seminarium, but will return it soon.

Pray look over Darlington's Rel. Baldwin according
to his desire, and send it on to me a month or
two hence.

Adieu, Yours affectionately
A. Gray



□ □ ~~□~~ ○

V

Mr. Torrey
Medical College
Lowry St.

1. 6/6.

~~1.6~~

1.78

50

37

2.65

25

2.90

James Leachman

Mem

HERB.

(Dec. 5/842)

Choisy has published a monography of *Cuscuta*, in
9th vol. 2^d part of Mem. Soc. Phys. et Hist. Nat. de
Geneve, which I need not describe to you particularly, as
you will doubtless find the vol. at the Lyceum.
It is *C. glomerata* = *Lepidanche Compositarum*, Engelm.
" *C. compacta* = *L. adpressa*, Engelm. in litt. ind.!
" *C. Gronovii* = *L. vulgivaga* B. " —
Engelmann's thus he has not. I will notice it in
next no. of Silliman.

Burtis writes that he has sent me a small parcel
(chiefly *Carex Iroquoiana*) from Newbern, which should
be in New York by this time. He says he has sent
a short paper to Silliman, describing some of his N.
Carolinian plants; *Thermopsis*, *Hypericum*, *Vaccinium ussimum*.
H. — I wrote him that he must not interfere with Buckley's
new collections (& I think he has not); and for this
reason I suspect he sent to Silliman directly & not
through me. But he is too late, I doubt not, for the
ending (Jan 2.) number.

I find you have made the same very natural mistake
as Hooker, and put away a very fine specimen of
Stokesia (N. M. Drummond) among *Centaurea*.

Burtis writes that Buckley has specimens of his
Helianthus Downii, which is suspect is not new
but greatly wish to see a specimen of.

I want to see specimens of "*Arnica Montana* Nutt.
Cat." from Essex Mts. a good site. You have none from there
in your herb. The spec. is *A. lanceolata*, Nutt. but
I think also *A. mollis*, Hook.

You have *Grisea benedictus* in the Cat. Is it a
naturalized plant? I have never seen it in N. S. nor have
we any specimen in either of our herbaria from this country.
You do not mention *Grisea*, which is naturalized here.
May inform me.

Greene will subscribe for Buckley's Alleghany
Mts. plants

Saturday afternoon

The parcel of Compositae fr. of the Fear
west has only just come in. I have looked
over the Comps. with some excitement. Some
few new, and the old help out Nuttall's scraps.
fr. very well. Tetradymia's this side of
the Rocky Mts.!! Some new Senecio's, especi-
ally from the Mountain near the snow line.
How I would like to botanize up there!
I will give you an account of these Com-
pos. soon, and send back the spec. as you
desire, selecting one for myself where it will
bear it. Pray remember me in this matter
as regards the other families of this collection.

Sullivan has just sent me a Vaccinium of the
several-seeded sort, with a drawing exhibiting the carpels
becoming divided by introflection in the way you showed me.

Monday Morning.

I meant to have sent this to-day in a parcel
containing Carex Comps. (Senecios & Thistles) from Nuttall; but I will
retain them longer, ~~as~~ as I shall want to compare some of Nuttall's
bits of Artemisia's fr. with those of this new collection. I hope to send
it next week. Is the Lieutenant's name Tremont?

I have just looked over the parcel of Lupinus, Rosa,
Ranunculus. I know nearly all, except the Lupinus. If I do not
send sooner, I shall hope to bring them all back to you some time
next month. I will look at LeConte's plants when I
come, which will do as well. I have not yet seen any of

Tuckermans After Greenii, whether from Schenectady or
Ipswich (but Oakes promises to come and bring me some,
and has already sent me roots for the Garden), & know not
whether they are right about it.

I wish we had a collector to go with Fremont. It is
a great chance. If none are to be had. Lieut. T. must be indee-
ternated, & taught to collect both dried spec. & seeds. Tell him
he shall be immortalized by having the 999th Senecio
called S. Fremonti, that's pos., for he has at least
two new ones.

Have you heard ought of Kriesheim's box? I hope it
is not exposed to freezing.

Loddiges have kindly sent us one glazed case
and 2 boxes of live plants (over a hundred species), thro.
Thorburn by the St. James. But they have not yet
reached Boston, or had not Saturday. Perhaps Thorburn
has very wisely retained them during the freezing weather of
last week. I hope to receive them in good order.

I have the privilege of expending 100 dollars in
Botanical illustrations - to be the proprietor of the College,
and to be increased from time to time. How do you ad-
vice me to proceed in the matter?

Tho. greatly behind hand I must get the Composite
all done this month. Then, if you could have the Lobelias
and Campanulas ready, I think we could print the latter
part of January, & I give every thing off my mind, and ready for
teaching in March. -

Dr. L. Aug. Smith has been showing the
Clown foot, as I see by Dr. Browlee's letter in
the Observer!

This letter you see has no beginning, as I have
scribbled down memoranda for a day or two past, as they
occurred to me. I am deep among thistles, which are thorny,
(tho' I see that thorny are satisfactorable, all but one little

groups of 2 or 3 species), and have been considerably interrupted, or I should have written you sooner. - tho' I wished to acknowledge the receipt of your parcel first. But do not think your letters, which I assure you, my dear friend, are always most welcome. How did dear Akabai bear the new operation? I wish I could see the little fellow.

With kind remembrances to all at Princeton - when you see them - I remain, Yours affectionately,

A. Gray

Cambridge, 5th Dec. 1842,

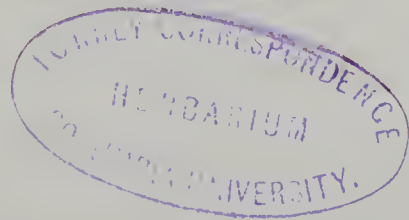
18/4

Prof. John Torrey

Medical College

67 Crosby St

New York



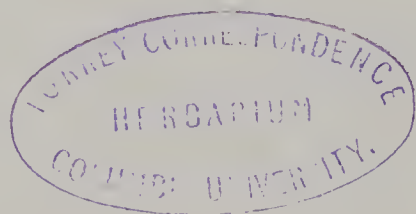
1842?
Please add the Meisner to
Sullivan's parcel

I have received such a
singular letter from Dewey,
which is almost abusive. Nat.
System, Morphology and all is
equally unintelligible to him. He
winds up by saying. "So, annual
plants die because their vitality is
exhausted in one year! Yes, and
so are many things!" — Bravo.

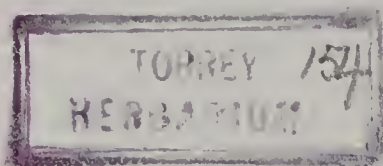
I thought of replying to it, by
saying that his Report is suffi-
cient evidence of the impracticability
of the Nat. System, at least in
his hands. Had I not best touch
him up about his Bantonias in
Loasaceae? But I think I
will turn his letter to better
account, by reading it to Emerson,
and so laughing him out of his
remaining Linnæanism, by showing
him how difficult it is for one of
Dewey's class to rise to the conception

of anything in science beyond
an artificial analysis.

P.G.





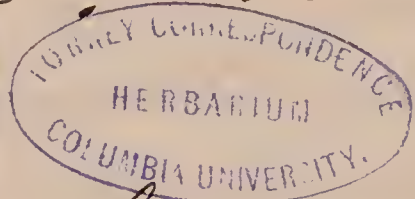


L. M. Torrey

Recd? Jan 7 1843

Cambridge, Jan 7. 3^d 1843.

12
C



My Dear Friend

Your letter, truly welcome after so long an interval reached me yesterday. I should have been very glad to have been with you during the holidays, but cannot think of leaving before I finish these interminable Compositae. I hoped to have accomplished this on Saturday last - all but taking up some dropped stitches; but was a good deal interrupted last week. Among other things I had to revise a translation made by some lady friend of Mr. Emerson, of an eulogy &c. of Seelandolle, by Martins, in an address before the Bot. Soc. of Ratisbon. The lady, not being much acquainted with the subject-matter, had left the translation imperfect in some places, and altogether too stiff, and German. I have hastily overhauled it, and sent it on to Talliman for the leading article in the next number. Except for a slight pantheistic-transcendental vein in it, it ^{would} ~~be~~ be a very pleasant & pretty article.

My plan is to come on as soon as I have finished the Compositae, say the middle of next week - make a hasty run to Philad^a to straighten some crooked points, set the printer going rapidly, and remain in New York until it is at least well under weigh. In the mean time we (that is to say you, if you can) must cook up the Labiaceae, Campanulaceae, & with them the no. must stop, - the wanting quantity of pages to be

made up hereafter.

The Dec. no. of the London Journal of Botany, contains a very brief notice of Botanical Text-Book, &c. — The Dec., no. of Ann. & Mag. Nat. Hist. (of wh. Prof. Balfour is the botanical editor), contains a very complimentary notice, accompanied with a few judicious selections, which show that the writer has looked it over carefully; and winds up by terming it the best elementary treatise (as to structural botany) in the English language. — So easy is it to get praise when it is not particularly deserved.

As to Buckley's plants, if Casey is still immovable, we must help him out ourselves. I will do anything I can. I think it would be well to let Endicott attempt the Buckleya.

I have done up Hieracium to my entire satisfaction; but have a singular story to tell you about H. Kalbii. I am well satisfied with Nababes, tho. I fear I have admitted more species than you will altogether fancy: but I feel confident.

I am really disappointed in the Med. College, I thought it would have been much better. I am not sure that you would not best secure your comfort by taking \$1500 and a house at Princeton; unless some other prospect should open as I wish them would. I wish you had the Lowell lectures, instead of me. But in any case I dislike to think of your abandoning Botany, and trust you will not come to that conclusion.

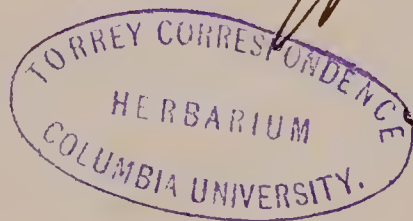
Suppose I find that I have not time to go to the Mountains of Carol. & Georgia for live plants next autumn, could I get Kriesheim to go? Do you think he would do as well as me? By the way, what has become of the box of live plants he sent up to New York last autumn? I have heard nothing of it, and I fear that all that labor is lost.

My great object, for next year, is to attempt to raise \$10,000 from some of our rich men, to rebuild our greenhouse on a larger & handsome scale. There are a few men, who have never given anything to the college, who may perhaps be induced to give for this object.

My *Coldeniaceae* is printed in the January no. of *Silliman*; and my extra copies are by this time in New York, I suppose.

Remember me kindly at Princeton.

Yours affectionately



A. Gray

Faint, illegible handwriting at the bottom of the page.

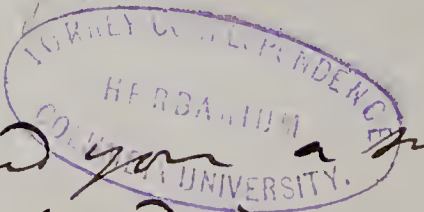
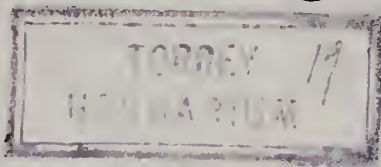
1874

Prof. John Torrey
67. Crosby St.

New York

Monday Morning, Cambridge,

My Dear Friend



I conclude to send you a small parcel instead of a letter. Enclosed is a ~~master~~ determination of the Tremont plants now in my hands. I found ripe seeds of the first two of the list, which I hope to grow. Both are worthy of being figured, although the first only is showy.

I found Hooker's letter dated so far back as Nov. 10, and send it for your perusal. I think some arrangement such as he desires may be made respecting the antarctic collections. The Oregon & Calif. I hope will somehow tumble into our hands. Please send back his letter (by mail if you are not sending a parcel) early next week, as I must answer it on the 1st. Prof. Pamplin has sent me out Michel's Marchantia paper.

Engelmann writes about his friend Dr. Lindheimer, who wants to collect in Texas & offer plants for sale, at \$8-10 pr. hundred. He & I to vouch for generic names. - advice in Silliman. - I shall write to him on the subject, securing that all shall pass thro' our hands. I think I will advise him to send him to Rocky Mts. with some of the parties that will be sure to be going of the Oregon bill parties. As he is a Doctor - a pretty good botanist, I guess, and makes very good specimens,

of the right kind - flowers - print &c. - Why not
recommend him to Fremont & Co. Abert, and
get him a place? I think we cannot do better.
If you think so please act upon the suggestion
without delay. The more collectors we can
get into the field the better, Buckley & all.

About this time a Mr. James should arrive
in N. Y. with a small parcel of seeds & a few
plants from Lindheimer - to be left I suppose
either at W. & L. or at E. & J. Popp's 92 Pearl
St.

I enclose a little parcel to be sent
to Engelm., which Wiley & Putnam will send to
E. & J. Popp, with some other things directed in
my letter to them. It consists only of Retenand
Compositae. Please send it, with the letter
to W. & L. as soon as may be.

I trust soon to hear how you found our dear
Herbert. I can sympathize with you in this
trial, for the child is most dear to my heart.
Nothing but the sure persuasion that the afflictive
dispensations of our Heavenly Father are as truly
mercies as those which we ordinarily term blessings, can
afford us consolation under the bereavement we may
be called to endure; I trust that may. But there
is still hope that the same remedies employed may
stop the progress of the disease. I regret this repara-
tion, which prevents me from taking a part (small
though it be) in the care of attending him; but, ~~that~~
absent, I am not likely to forget him, nor his parents.
God bless and keep you all. Your affectionate
A. Gray

Dear Doctor

Yours of the 20th reached me duly, as also Hooker's letter. I make brief memoranda of your enquiries. I have not yet looked at the seeds of the *Ruellia*. These things are noticed in very many *Acanthaceae* by Don and Kippist in *Lin. Trans.*, a few years back. In the breaking up of the genera, I believe we have neither *Justicia* nor *Ruellia* left in *N.Y.* It is in the *Linnaea* that you saw some *Acanthaceae* described by Nees.

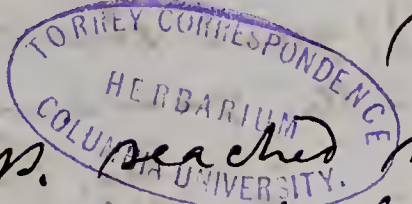
Buckley's paper must be ready soon, if it is to go in the July no. of *Silliman*. The April is already printed, all but, and is so crowded as to have no mis-cellanies. If Buckley will send an advertisement-shaped offer of his bones for sale, I will insist upon its insertion. *Silliman* is here. I have heard him lecture. - organic chemistry. - small potatoes! Benney says you may get *Eudiste* to lithograph the Buckleya, as cheap as you can - & strike off 1250 copies for him, & as many extra as you want extra copies of the article, & send the bill to New Haven. I hope of course that Bailey will write on sapphire crystals. Has he not the 3rd ed. of my *Meyan*?

Presl's figure is not *Ragipetris obtusilobata*, but *R. nucleoides* & from Willd. Herb. - the list of which you know. You must send to Hooker, & let him send Hitchcock copy of Schreb's figure; for the work is not in this country.

Have you yet reported on Fremont's plants? I laid before Benney a plan for collaborating *Sill. Journal*, entirely on my own responsibility, naming to him Henry V. Bache for Physical Science, Dana for Mineralogy, Pierce for Mathematical Science, Wyman for Zoology, &c. - insisting on these 3 points - 1. That now new collaborators should be introduced but by the consent of these. 2. That original communications in these departments should pass through the hands of the proper collaborator, and be rejected at his discretion. 3. That they might be supplied with such journals as they want by the editors. Their reviews &c. - must be signed by their initials. I have seen him but for a moment since he has laid it before the Father. I see, I think, that they are disposed to catch at so much of the plan as suits them. I suspect they think that the rise in the character of the Journal, coincident with the appearance of these names on the title-page, would be so much glory taken from them. Benney nearly said that they thought the plan might be adopted in part, or its advantages secured, & proposed says he will write to Henry V. Bache on the subject. I wish you therefore to speak to Henry and say two things,

And. Apr. 14th Cambridge, 28th March Tuesday Evng.

My Dear Friend



Your letter of the 9th 44 - with Buckley's reached me last evening. Being very much hurried - proposing to lecture twice this week, I have only now had time to look it over. His text is better than before. But his specific characters are the veriest stuff, let alone the orthography: neither head nor tail, full of the grossest errors, (such the scape of a Pteris: one of his Phacelias is said to be a "spike" - and then the flowers are said to be on long peduncles - "pedicels" - no contrasting characters whatever between his *P. finlayi* & *P. Purshii*, which are widely different, &c. &c. - so that it will only render the confusion worse - and that after Carey had made the discovery and worked out the whole matter for him: this Buckley does not even allude to that. That he shall do, if published. In fact I shall write to him, and protest against publishing such descriptions. I then his appended species: of these the only ones that there is even probable reason for considering new ones are *Thalictrum debile*, *Pteris Alabamensis*, *Malva Lecontei* [Have you seen this Malva?] What is the use of his describing species of *Phlox*, *Salvia*, & *Sabbatia*? I can't stand it. If he can describe his species half-intelligibly very well, but if not, they shall not go into the Journal by any fault of mine; and I am confident you will approve my veto. I do not wonder you were disgusted with it. I shall take care of the *Diervilla* - (first comparing it with the White Mt. fruiting specimen I got last autumn) - His descr. will never do. I don't see how I could find time to overhaul his characters and copy them - which would be inevitable - even if he were a pleasant man to deal with. And I dislike to add any notes with my initials to show that I have let all this pass through my hands. As for yourself, your account of the Buckleya should be put on its own bottom, with an independent heading to follow his article.

Enough of this.

I have been speaking about the boxes of the Ryerson, and there is a disposition to get up a subscription in the Nat. Hist. Soc. and buy them, if still for sale, the price not

too great, and if Dr. Myron, on seeing them, recommends the purchase. Do you know the price? And whether they can still be seen in New York? At Carey's storehouse? The Boston Zoologists are far from praising DeKay's Report. I heard Lilliman in Electro-Mag. the other evening (which hardly belongs to Chemistry): great show of experiments: - Landed Henry freely. He is finishing off with galvanic deflagration. Will Fremont go west this year? So Mr. Carey is going to Buffalo! Occupation will be the best thing for him; but we shall miss him in New York.

The following page of this sheet was written some days since, but I could not get it off in time to hear from you before writing to Bentham. I think I will take it for granted that your views will accord with mine in this matter. I shall hurry off a letter on Saturday Morning: as the ^{English} mail does not close at Boston until noon.

As to N.Y. State Flora: pray make Conspectuses of the families, and of the genera - and of the species of each genus that contains more than three.

- I will write unscientifically and more pleasantly, ere many days, either to Miss Lane (though she owes me a letter) or her mother; with a few lines to dear Herbert.

Please say to Mrs. Torrey that I am unable (I am sorry to say) to purchase silk for my professorial gown at present. But on the 1st Monday of June pay-day comes again; when, if we live and prosper - it shall be sent: we have ~~then~~ ^{there} almost 3 months to ^(4th Wednesday of August) commence ~~study~~ ^{our term} - Our term ends on the 14th of July; but, as I can escape the examinations, I live in hopes of taking wing as early as the 7th. It has rained all day, and rivers are running down our streets, which have long been loaded with snow.

As a few days must necessarily elapse before I can write to Mr. J. or Miss Lane; please mention to the former, that my impression is decidedly adverse - that so far as my opinion goes, it should reply in the negative to the question put to me. Reasons are obvious, and if required I will give them soon.

Love to all, - especially for dearest Herbert.

(Yours affectionately
A. Gray)

9 Please make memorandum that "*Lobelia Texensis*, Rab. - a
scarlet-flowered species, is figured in Link, Otto, & Klotzsch
Leaves Rab. Hort. Berl. t. 33 (see notice in Londons
Gardens Mag. for Feb. 1843.)

I have received a line from Bentham, enquiring when
we are to be at "the Scrophulariaceae & Labiatae. Young de Cand.
is going on with ~~the~~ at last activity, with the Prodromus, Vol. 8th
is in the press, and will be out about June. The Scrophulariaceae
will be in Vol. 9, and I have engaged to send him the Miss., at
least the greatest portion of it, in the beginning of 1844, and the
Labiatae for Vol. 10, by the beginning of 1845, as the volumes are
to come out regularly one a year. Now I should be sorry to
have any doubles emplois between your new sp. and mine.
The Labiatae you will have done before I come to them; but
perhaps that may not be the case with the Scrophulariaceae,
and if you can lend me any materials that you do not want
before Nov. or Dec. of this year, you would oblige me much.
If however you are now working, or have worked at them, I
should be exceedingly glad to have proofs of what you have done
as early as convenient, in order that I may avail myself of
your labors, and quote them in their proper places. + x +

Pentstemon is the first difficult N. American genus,
I shall have to do, and shall arrive at it in July or August.

Now I think, if Bentham will take care of
this family, we shall be out before de Candolle; and in
replying to his letter, which I must do on Saturday morning
of next week - in time to hear from you, and subject to your
correction, I will propose to Mr. Bentham to do the Scrophul.
for us as he goes along - which will be a material aid, and
enable us to finish our second vol. some time next autumn. I
will promise him the use of any of our material that will assist
him, - to send it in July. I think he will accede to the pro-
posal; at least so far as to furnish spec. char.; we may perhaps
have to post in particular range & localities. What say
you?

The papers received by the last Steam Packet state that
Capt. Ross's expedition are expected home in May next.
A.S.

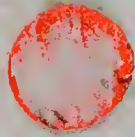
Memorandum to President Eliot & Mr. [unclear]

1874

Prof. John Torrey

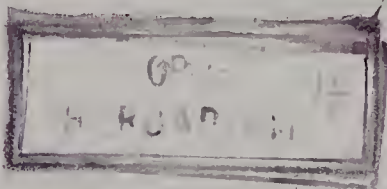
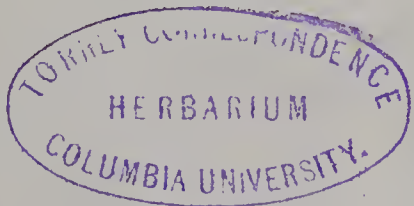
Princeton

New Jersey



Tuesday Morning

No letters yet! I do begin to grow very impatient
and uncomfortable. Do, write I beg of you!!!!



May 2d - 1843

Dear Doctor T.

I am waiting for your adjunct paper
on *Buckleya* - to send Mr. Silliman, who says that
if sent soon, he will try to get it in the ensuing number,
but prefers that it should lay over, as he is much crowded.

Buckleya delphinium palmatifidum palmatum, is I sup-
pose *D. tricornis*. If on examination I think so, I shall
strike it out, and send the rest as it stands.

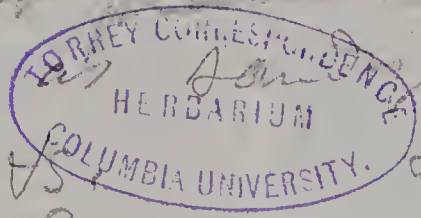
Will you when you go to New York, take
the things for Silliman from Med. College - address
them to him, and leave them at Wiley & Putnam's
- to whom I will send what I have here - with instruc-
tions to make up into one parcel and forward in
the usual way. It is important that they should
be sent as early as possible. In great haste

With kind love to all - I remain

Yours faithfully

Albany

I have received an order of a case of 500 hardy
 plants from (Kend. possibly (help) am very busy
 in making rock-work for them with reception
 and other plants. I am going to make
 a part as ^{as} ~~possible~~ ^{possible} for Pine-barren
 plants. Did you send me some Pyxidanthus
 very fine?



Mrs. Dr. Torrey

Princeton

New Jersey

1874

Gravida 10. 10. 10.
 March

Gravida 10. 10. 10.
 March

Gravida 10. 10. 10.
 March

No. 10. 10. 10.
 March

Thurs? May 12th
1843

Saturday Evening 7th May

Buckley at

I have just received a letter from Albany

- dated May 2nd - by a private hand; in which he states that B. Silliman Jr. tells him it will be possible to publish the whole of his article in the ensuing number of their Journal, and he therefore wishes me to send on manuscripts of new plants to be printed at once, leaving out the rest. He also wishes me to leave out the description of a new *Salvia*, which he thinks may be only a var. of *S. verticillata*.

Appropos to the above, a letter from Prof. Kuntze just received, mentions having received a set of Regel's plants distributed by Mrs. Shuttleworth (from Mts. Carolina &c.) - "in which are several new species" - Whether published, or merely named in the distributed sets is more than I know. I suspect the former. I shall write Shuttleworth, by the next steamer, asking for the description, if published. If you publish *Buckleya*, had you not better do it at once, sending the Mrs. to Silliman forthwith. The plate must be numbered, I suppose. Or will you wait to see what they have done with Regel's coll.

Shall I cut out Buckley's description, and send them bare and naked, without any preface? Monday afternoon.

Dear Doctor, Your kind favor - postmarked the 6th has this moment reached me. Shall I cut out Buckley's descriptions, and send them? I wait for your answer. If so you had best furnish me with a nice sketch of the char. gen. of *Buckleya* - leaving detail for a separate article by yourself. May get me a copy of *Fraxinifolia*

Plants - also Nicotian's. I have a few of *Tormentum* up
from seeds! The 2 pine-trees - & the *Pyxidanthra* were reared
in good condition - to my great wonderment! *Pyxidanthra* is in
full bloom, and a drawing of it nearly finished - (as well as of
Fakaria - about which I have some new matters that are curious,
by the eldest Miss Driney, whom I have pressed into the
service! What do you mean by Prof. Lee, having gone to Europe?
Not so! Prof. Sewall of Washington has gone. - I spoke of having given
him letters to Hooker & Boott. I have given Boott all the *Carex*
Barrattii you gave me. Ask Kniskern to get me more!

I agree with you that the Geol. Assoc. are small tubers.
What do you think of Locke for the next President of it?
I have not time to write to Buckler, and nothing in
particular to say. He can only send me live plants late
in autumn. You will have his address. By that time I
will let him know what I most want.

I have a few pamphlets for you from Meisner - his long
box having reached me. * Contains some good parcels
from Shuttleworth; with a letter. He says he wants for them
U.S. plants most. He wants *Glumaceae*, & my grass book
(Can not Kniskern make up sets yet?) He writes pleasantly.
He says "About 2 years ago I sent a parcel of plants to Prof.
Torrey, or a brother-in-law of mine, but have not heard whether they
arrived at their destination. Should you see him, may I request you
to mention the circumstance to him". I shall close a letter to
him on Saturday of this week (this is Monday) in time for any message
you may send.

The copies of Martius & Rudl. *Fol. Brasil. fasc. 1 to -* have
reached New York. You know there is one for you. I will send you
man. about it when received. Martius has drawn on me at New York.
I am distressed at the non-arrival of a box of hardy plants
from Kew Garden - nearly 500 species, which should have been here
long since. I am forming a plan to purchase Hooker's botanical
lectures drawings! I hope I shall succeed, and have asked him to
send them out!

Benthams writes - "I shall be most happy to do as you
desire with your *Scrophulariaceae*, and return them immediately.
- He expects to find deCandolle's *Scrophulariaceae* in London early
in May, & returns to Hereford after middle of this month to work
at them.

You have now vacation. Why not bring on your
Scrophulariaceae here, - make me a visit of a few days. I wish I
& have your Mison's Monogr. *Polygoni*? If not I have one
for you. Let me know.

had a place to receive you, and then I would say bring on
Hubert and all hands! But can't you come as it
is?

I have to prepare two lectures next this week - one for
Thursday - one for Friday - on the Nutrition of Plants -
- hard work for so short a time, as there are no pictures to
show, But after that I shall lecture only on
Thursdays and meet my class one day in the week
at the Garden - for practical botany!

Kunze writes that the 3^d part of his *Carioz.* is ready
to send me. In it he has figs *Carex Michauxii*, *Schw.*
C. festivialis, & *C. Canadensis*.

Pray write me at once about Buckle's things.

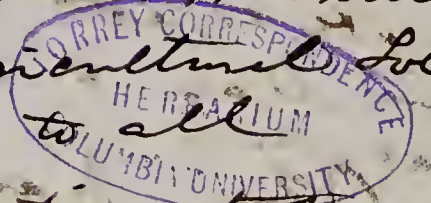
Tell Mrs. T. that I fear there is not time now to
send her some harder plants. It is too late to transplant
the renal things she will most desire. But I will
make a point to supply your ground in the autumn, with
what we have there as you can for. She must come
and choose for herself this summer. *Rhododendron*
Lappaceum from the White Mts. is just bursting into
flower. I am building Rock-works, but we get on
slowly. All the work of the Garden comes together this
spring - and all in a heap.

In my last (to Mrs. T.) I begged you to pack
up the things for Sullivan at the med. coll., and
leave at N. Spentans., as soon as you go to town. But
if you come on here, you had better bring them with you.
I have other bundles to send.

I began this letter on the wrong side of the sheet,
so it looks awkward. Miss Lane is a negligent
correspondent, she should have written about the wedding.
I must ask Eliza to write.

I am engaged to dine next Saturday at Dr. Warrens
(a most worthy man) with the board of the Agricultural Socy.
In all haste, a dear. Love to all

Yours affectionately
A. Gray



Dr. John
Dorsey
Princeton
New Jersey

Recd. May 23

Saturday Evening, [May 20. 1843]

Dear Doctor

HERBARIUM
COLUMBIA UNIVERSITY.



Your letter of the 17th places me two in your debt, and as I ^{have} many little matters to write about I commence this evening - tho' fatigued.

Your dissections of *Obolania* confirms what I told you a year ago - that it belongs to *Obolanchaceae*, and its placentation must be studied in connection with that of some of the so-called 4-placentiferous species of that family. I am not prepared to answer your queries on this point now. What is the situation of the points, a a, in your transverse section as respects the lamellae of the style. Brown completely sets aside Lindley's speculations upon their relative position in *Obolancha*, and makes nothing of situation of the carpels as respects the axis. Study *Obolancha* in connection with the placentation of *Obolancha* *Uniflora*, which you will find very similar, except that the rules of *Obolancha* line the whole surface, you say.

But what I wish now to say is to beg you to make full drawings not only of the ovary, but of all the plant - securing color as well (and put specimens in spirits). For I think I shall have a plan matured for publishing a pamphlet of 20 plates this coming winter, one or more of which you can fill up, if you choose to prepare the matter. *Obolancha* should find a place among them.

If you could send me some fresh plants in a close tin box, I could get a good drawing made here; for I have a promising pupil in training for this purpose. Don't send it to Bancroft, for it has nothing to do with *Scrophulariaceae*.

I hope to be with you on or about the 1st of July. Perhaps you had best retain the *Scrophulariaceae* for another, till then. But if sent B. prefers you

should send them thro. Miles & Putnam to Mrs Putnam's care; and not to Pamphlin.

Before yours of the 12th had arrived I had sent a bundle (freight paid) to W. & Putnam for you - containing the pamphlets & Odyssee from Meisner and the flora of Brazil fasc. 1-5, &c. - By the way, if you should not care greatly to keep the Fl. Brazil, you might offer it to Pickering for U.S. He must see it. The post sent costs you all told \$25, which I have paid. Don't trouble yourself till I see you in July, for I shall not want it till then.

This morning I cut out Buckland's descriptions of New Plants - and sent them to Silliman - as he desired. I introduced in the name of the Editors your Bucklands in a shape and way that I think will be satisfactory.

I am glad Trimmer will undertake the Index, and would prefer he would monograph in Silliman - I do not think so highly of his present working powers as you do. He lacks knowledge of structural botany, and seems not to take to it much. But he will improve by practice, and the Index will be very good for him to begin with. I promised him a specimen of Carex massoniana long since, and will send it soon.

Monday noon -

I have just returned from the Garden - finished the examination of the box of plants from Kew, which arrived Saturday evening. Of 501 species 335 are dead! All owing to the fault of the Steam-boat Company at Liverpool, who retained it over two steam-packets, - making it 50 days instead of 16 from the time they were sent from London. I feel in a very bad humour about it.

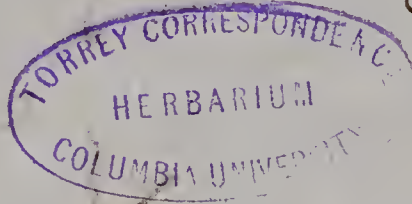
We had Prof Woodsey of Yale here last week
- the best Grecian in the country. Instead
of Stanley were here, but nobody saw them. Prof.
Woodsey stayed several days.

I have just received a pleasant letter
from Booth.

I am sorry for Henderson. The College should
pension him off!

I must close abruptly, else I shall lose
to-day's mail. Love to Herby and all
the rest. I hope to write to some of the family
very soon. Don't forget full drawings of
Cholania! In haste, Yours affectionately

Albany



Prof. John Torrey
Princeton
New Jersey

TOBACCO COMPANY
HERBARIUM
146
COLUMBIA UNIVERSITY

Cambridge, Friday evening

My Dear Doctor

I have done all that I can now do for Vaccines. My chief difficulty remaining is to identify several Ant. Kerr species: which I shall strive for by sending a set of specimens to Boott - to be compared during my anticipated absence: during which I may hope to make many useful observations. I have yet to study V. corymbosum and its allies - especially some Southern ones. Dunal has not sustained his reputation in Vaccinium, which are very poorly elaborated. I arrange the genus thus. The characters of the sections you will readily apprehend. (The order of sequence not yet determined on)

S Myceus.

V. myceus

S macrocarpon.

S Vitis Idea.

V. Vitis-Idea

V. myrtifolium = V. crassifolium

V. rotundifolia (Oregon)

V. lucifolia or brachycerium. (We have never seen this remarkable

ovary 4-5-celled, no introflexion
anthers 2- aristate

S Eurvaccinium.

V. ovalifolium

V. paniculatum

V. myrtillus

V. Chamissonis N. W. C.

V. salicinum

V. myrtillodes

V. caespitosum

V. uliginosum

ovary 4-5-celled, no introflexion.
anthers not armed.
flowers solitary axillary.

S Vaccinioidendron?

V. arboreum & stamineum.

ovary apparently 10-celled
anthers 2- aristate.
Inflorescence

S Vaccinidium.

ovary apparently 10-celled.
anthers not armed. Inflorescence

x Leaves persistent

V. Myrsinites

? nitidum, same?

x x Leaves deciduous

V. Pennsylvanicum, Lam. ^{Thunb.} Michx. ^{! Hook.} I of your Flora as to spec. char. not as to detailed descr. (V. terrellum, Fit.) (You are wrong about Pennsylvanicum. The original char. says leaves serrulate, hinc both sides.

V. Canadense. (excellent spec.)

V. your Pennsylvanicum, but if no other. Many as are the names to spare in this genus, yet I find none for this. It has been called V. virgatum, Fit. down this way; but can't be.

V. Constablei

V. corymbosum.

V. galerans vs. of South (V. terrellum Ell.)

V. hirsutum, Buckley.

V. dumosum
" frondosum
" ursum
" resinum

= Gaylussacia, cutes - as you say.

Stopping that your plate is not yet lettered or struck off. I mention that it is a pity we cannot keep Lanius. The name Chiochones, Salisb. has the priority by 10 or 12 years. Don must have known it; for it is in Hort. Trans: Dunal not. But if we could dodge this, we should come upon Raff. Glycyphyllo, 1819: with no gen. char. to be sure, but a name with correct synonymy may be as good as one with a wrong character. Don has made his out of yours. Dunal has patched it a little, but has mistaken the short ovate filaments for lobes of a disk. The technical character to distinguish from Vaccinium is in the anthers, which are not produced into tubules, but each ²-mucronate or sub 2-aistate at the apex, just as Pernettya & Gaultheria. Chiochones differs from Pernettya (with a superior berry, and same habit) only in its adherent calyx, and from Gaultheria by same char. with the addition that the ovary is also baccate in fruit. How could DeCandolle keep up his order Vaccineae, with such things, and with 3 or 4 of his genera "calyx seminadherent."

I have just received a package of Leaves Pl. & Lind. from Botany from Hooker, which I will bring you, I trust, your share of, ere long.

Letter by previous steamer, I will bring it also. I am waiting to hear from Sullivan, whom I proposed to meet at Cambridge on the 15th inst; if he assents, I shall hope to see you at Princeton day or two before that time. If he appoints a later day, I shall

remain here longer. But I am getting ready.
Old Wangermann must take the credit of having discovered the
Gaylussac structure of our spec. in *V. resinosa* (his *Andromeda baccata*), unless he yield it to Clayton, who says *V. pondosa*
has 8-celled ^{ovary, and a} berry, with a few osseous seeds. And Muhl. in
fl. Lancast. says of both "*Bacca 10-sperma*."

I am very anxious to have news of you all, not having heard
a word from Princeton since I left New York. How is dear
Herbert? Have you made a cap or head-piece that will work
well? I shall be right glad to see him again.

Bailey is somewhere "down East", having passed through Boston
and left his microscope meanwhile with Drs. Wyman & Gould,
who are making good use of it. It is very still in Cambridge,
almost every one away; and I am much alone. I have now
in flower a very fine *Gaura*, from Texas seed (*G. Lindheimeri*, Engelm.)
with large pure white petals, fading rose-color: which so far as
I see is entirely new. As it is a ^{perennial} annual for cultivation,
blooming for a long time, I hope it will be perfect seed with us.

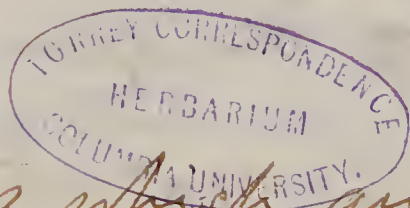
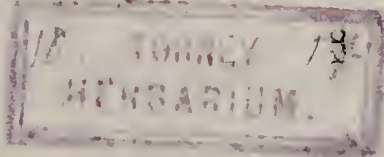
Monday morning.

No letters; and, what surprises me
none from Sullivan; so that I am yet quite uncertain whether
I am to meet him on the 16th. If I do not hear from him
to-morrow I shall be quite at a loss.

I am about to send a copy of Darlington's *Rel. Baldrianum*
to Brown. As I shall write him (I have lately been
re-reading his note on placentation with interest) it occurred
to me that I would mention to him the case of *Abolaria*
as a new one whole interior of ovary placentiferous or ovuliferous,
the more interesting from its alliance to *Robanchia*. I have
two or three questions to ask him about it, which this Dr. Botte,
I may get a verbal answer to. I think also it should be
mentioned to Benthame, as he will be led to examine it from
its reference by Endlicher to the end of *Scrophulariaceae*.
And our anterior observations might as well be secured.
A note on the subject to Benthame would do it, so far as he is
concerned, and perhaps no one else will be very likely to touch it
until our turn comes. Excuse this hasty &
Very botanical letter. Remember me affectionately to
all the family - and believe me
Yours faithfully
Gray

Asheville, Saturday, Sept. 30. 1843.

My Dear Friend



Your two letters which awaited my arrival, the one at Jefferson, the other at Asheville - were indeed refreshing. Our long journey through Virginia brought behind our estimated time, and have hurried the later and more interesting part of our operations; for Sullivan was getting very impatient, as I wrote in my last, just as we were hurrying away from Jefferson. I doubt if I got any thing of much interest in Virginia, except Buckleys (& Nuttalls) and some *Rhamnus paniculatus* on the waters of Greenbrier (where did Pursh get it?), *Heuchera pubescens* in fruit and *Heuchera hispida* Pursh! out of flower and fruit, so that I detected it by the leaves only (and got good roots) not far from where Pursh discovered it, but more west, on the frontier of a range of mountains where this very local species doubtless abounds.

From Jefferson went to Grandfather; had a fine time and good weather, explored the old fellow thoroughly, but found no new *Phacops*. Sullivan made a great haul of Mosses & *Lingumaria*. Found the Modys heartily glad to see us. The elder brother is married since our former visit. Miss Nancy delighted with the Calico dress I brought her, and made me promise to ask some of my lady-friends at home to cut out a pattern for her in newspaper and send by mail. To be in tip-top style, in the very height of the fashion! Poor Miss Nancy! How she would look!

The "old gentleman" (Mr. Carey) was most affectionately enquired after. Indeed Miss Nancy is perfectly in love with him, and sacredly keeps the sperm-candle-end he gave her as a relic. He gave me a most amusing account of the wonderment which our visit caused. To it he attributes the advantages they now enjoy both for religious and secular instruction. For we found a young episcopal clergyman sent by the Bishop resident in the neighborhood, whom he has spent already almost a year - a perfect hermit, so far as civilized society goes. His life is busy, occupied, and nearly contented, has built a little cabin in full view of the Gothic Grandfather, and I hope is doing much good. He accompanied us to the mountain but did not remain over night in our encampment, having a distant service on Saturday. His name is Probst, Mrs. Torrey will remember something about his history which will in part account for his willingness to spend a few years in this solitary region. I had hoped to hear him preach on the Sunday we passed at the Meadows on our return from the mountain; but he preached at a station 10 miles off.

Monday & Tuesday, crossed the Blue Ridge, descended John's River, and went to ^{near} the base of Table Mountain. Wednesday, ascended it. Was fortunate enough to get *Hudsonia montana*, specimens & roots; also a few roots of *Thermopsis fraxinifolia*. While digging one of these near the base of the mountain struck upon a little clump of *Schrenkianthus*, half buried in the leaves, 5 or 6 specimens; but a day hunt furnished no more. Thursday crossed Linville R. in sight of the North Cove (Michaux's old residence) and went to Carson's on the Catawba. We lost a shoe from our black horse while descending the Blue Ridge, and wore his hoof so as to lame him severely. Obligated to leave him at Carson's (as we were not in exchange him to advantage) and

hire another horse to take his place for a week, crossed
the Llanivnoe gap: got fine near view of Black Mountain.
Spent the night (12 miles from the village) not far from
its base. Should have ascended, but found we could not
do it so as to get back Saturday night to any place to
stay, and layed to spend one Sunday in a civilized place
where we could attend public worship. So went on to the village
to dinner, passed Saturday afternoon in taking care of
our plants. Heard very good preaching at the Methodist Church
on Sunday. Monday set out down the French Broad.

Tuesday reached the Warm Springs, got a luxurious bath.
Rode the afternoon there the rain to Paint Rock &
stayed the night in Tennessee below. Got Buckley in
front and the things I can't ride specify. Wednesday
Dug up Buckley's H. - Left Mr. Sullivan at Warm Springs
who, not being able to bear the absence from his wife and
children longer, has left me alone with the team,
and is by this time more than half way to Columbus.
Thursday returned to the village. Friday packed up a fine
box of roots with which my wagon was loaded. Sent for
my black horse.

Saturday had weather; but made
a little excursion on horseback: got roots of *Arum qui-*
natum, which by the way often has the lateral leaflets
not at all incised, and then (in fruit) looks just like *A.*
virginicum. Buckley is often inquired after here, and
seems to have been quite a favorite. He might have
discovered this journal had he informed us otherwise that he
visited both Black and Bald Mountains with a
merry company of ladies, and camped out on the sum-
mit! But the sly fellow kept all this to himself.
I begin to be in a hurry; but have yet much to do
and find it rather lonely. Monday & Tuesday I intend to

write to Hickory Nut gaps, 23 miles & back. Then visit
Black, if I meddle with this mountain at all. Then,
taking final leave of Asheville, go into the mountains near
the head of French Broad, take up my quarters with a well
known Hunter, try to reach Pilot & other high mountains
which Buckley failed in reaching and which have never
been visited by a botanist, unless by Purgel; thence to
Table Rock, S. Car, and by a round-about way to Franklin
Macon Co, ~~and Blacksalle~~ Jolula Falls, & Blacksalle,
Georgia, where I shall try to sell out my horses and
wagon, & take stage for Athens, where I am in the way
to come by steam all the way to Princeton, via Augusta
& Charleston, which did fair to be healthy enough to warrant
my passing through them, without rashness.

It will be the 20th Oct. or I can hope to take
you by the hand. Truly welcome are the newspapers you
have kindly sent: but I hope for more by the next
mail, for I have more later than the middle of Sept.

I never have been so hurried, and had so little time
to write, but shall have the more to tell when I reach
you, if it please Providence. Excuse the chirography
also, for pen & ink are witched and my hands
dove.

After *Curtisii* abounds and is very strong.
A. elliptica takes here the place of *A. pruinosa*.
I have not found *A. mirabilis*.

Love to all most warmly. I put forth to mention
me to dear Herbert.

Affectionately Yours

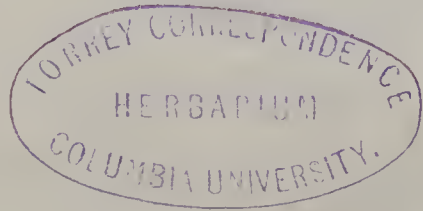
A. Gray

Monday Morning -

Off for Hickory Nut Gap, where the scenery is said to
be very grand, and the botanizing good. I am to get *Asplenium*
Asplenium primatifidum, *Stewartia pentapappa*, & *Parnassia*
asarifolia. -
Hard work, yet pleasant with a
companion. I wish you could be with me
Very pleasant Sunday Service in the
Presbyterian Church here. -

Yours ever.

Al Gray



A circular postmark from Fort Vallé, N.S. The text "FORT VALLÉ" is curved along the top inner edge, and "N.S." is at the bottom. The date "OCT 3" is in the center. The year "1914" is partially visible at the bottom right. A diagonal line crosses the right side of the circle.

Dr. John Torrey
Princeton

New Jersey

My
you
P

1
T
A
H
L

Amphipod (as in water)

Cambridge 10. Nov. 1843

My Dear Doctor.

I trust you duly received a parcel which I sent by express on Tuesday (freight paid) which I enquire after & presently, as I was obliged to send it to Boston by an omnibus-driver, who may not have been prompt or punctual. I sent Presl. I have since found nothing bearing on your point, but shall look in Boston. I have only been in Boston once - Tuesday evening to Wednesday afternoon. Mr. Greene is in rather poor health. I went to hear Gliddon at the Odéon (Lomell lecture), who seemed very dull to me. I admired the patience and even interest with which a large audience listened. That is encouraging. Let me tell you a piece of good news. The good fortune which has thus far attended me is wonderful, but I must expect some check or long in some way or other. Mr. Lomell, of his own accord offered to order a first rate microscope for the Institute - to be used freely by us naturalists when we wish - and asked me to give him some specifications. One of Ross' or Powell's best will probably be ordered by next steamer.

Many good books have come for our Library, (although the current periodicals are yet mostly delayed). Among them a completion of the Botanical Magazine & English Botany - the latest vols. of French Institute, Archives de Muséum - Sagras Civil & Natural Hist. of Cuba - numerous plates - (which will aid in determining Key-Weeds), Webb & Berthelot's Canary Islands - (which has figures of the Great Dragon tree, and other things that I must copy for illustrations) Cavanilles work complete. Venter at post. Malmanson (the only one in the country) &c. German orders are yet to come.

I have a letter from Mr. Fielding of Bolton Lodge Lancaster - the proprietor of Prescott's herb: and much of Lamberts - apprising me of a box on the way containing dried plants for me. Some of Gillies' Chili. Dried. C. B. S. &c. &c.

Dr. Pickering left here before my return (in same ship with Dr. Anderson & Dr. Hawes) - for Malta - the Barbary coast, Upper Egypt, Bombay &c. !! The particular object is to look after some races of men.

Nothing from Hooker, except a line of 30th August, entirely relating to Dr. Pickering.

From Dr. Booth, I have a return of the Vaccinia I sent him, with most interesting

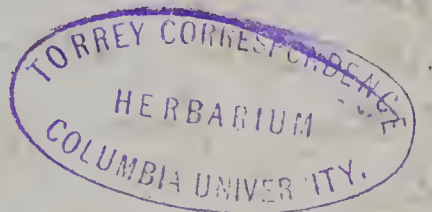
comparisons with the *Barbarea* than copies of Standen's
mess. - costing much time, labor, and patience, such as few
men would bestow like Dr Bortt. The settling of the *Aritaria*
species will most essentially affect the synonymy. Thus,
V. tenellum, *Nit.* is not the little species here (which is both
V. virgatum & *V. angustifolium*, *Nit.*!) but is a Southern
species = *V. galeans*, *Ms.* - and so on. On some points
he has furnished information, and left me to decide.

Shall you stop the present volume, ^{at the report} at the end of *Compositae*?
If you go farther I must attend to the *Vaccinia* and
give you the results, so far as New York is concerned. I have
not yet seen what Nuttall has done. It has just occurred
to me that a brief paper on the subject in the next *Sill-*
man, fixing the points so far as settled, and throwing out queries
about some yet unsatisfactory species might be easily pre-
pared & would be of immediate use. of course citing *Flora* *ind.* for
all changes of name. What think you? I have not yet
examined the flowers & fruit of *Gaylussacia* sent by Bentham.
I have not heard yet from Baker, but I daily expect a
visitation. I have sent another box to Sullivan. Pray
don't forget to write to him, when you get an hour's leisure.
Please send my bundle of college drawings.

The balance of an account against you when I left New York,
July 20, 1842, on my memorandum is \$24.26 (I know not for
what), which is marked to be paid at Carvers. If Carvers
bills against me is larger, please let me know.

My boxes of live plants have not arrived yet, except
the one sent from Warm Springs, Virginia.

It is snowing, and I fear winter is setting in. I hope
to hear that you are all settled down comfortably at no. 30,
and that the college is doing something handsome.
Please write as often as you can. With affectionate remembrances
to all, I remain, Yours faithfully A. Gray



My dear Mr. [illegible]

[illegible]

81

[illegible]

[illegible]

[illegible]

Look through the Standard Herald of the
 part - to see how ~~much~~ has been saying up
 Liebig, - sometimes very justly - but often his facts
 fail.



"Sec." 6A. Coll. n.
 B. Mus.
 Lane. June 1863

[Faint handwritten notes]



Prof. John Torrey
 No. 30 MacDougal St.
 New York

18

138.65
 24.26
 163.91

140
 24
 164

And - Cambridge, Tuesday Evening, 15th Nov.

My friend

I expected an opportunity, about this time to send a parcel to you by a private hand, and should have written to the girls &c. - But being disappointed in that, I will condense my memoranda into a letter and send by mail. - I have at last sent the Goldeniana to Silliman, - condensed as much as possible, as his pages are crowded for the next no. How many copies will Mr. Golden wish? I am so late that I fear it will not make the leading article.

I have sat down at Flora at last, and am deep in Senecio. But I shall be interrupted tomorrow (when I have to go to Boston) and a good part of next day. My plants from Western N.Y. arrived in fine condition (all but Bidens Beckii); the Scolopendrium all fresh and fine. I have not heard from Krieskem. Will you ask him to write to me, as he is P.M. and it costs nothing.

Tomorrow I hope to find in Boston a parcel from W. & P. containing the plants I wrote about in my last, and also several nos. of Linnaea, which I left lying in your room at the College, if happened to notice them; together with the Endlicher, suppl. from W. & P. - If these Linnaeas were not noticed please send them in your next, and with them, will you be kind enough to select from the plants of Herb. Ell. (on a shelf) & send me, his Senecioneae, Thistles, & Compositae. They are all together.

How is Med. College this session? Campbell says he has a great store of Opusculi Botanici, from the library of Guillemin & others, and that he should advertise as many as he could on the cover of the Annals & Mag. of Nat. History, I have not seen the late nos of this, but hope to do so to-morrow. You can find them at Mercantile Library; and, if there be anything you wish I can get them for you. I want to pay some small bills at the Tailor's, Mr. Car-
ma's &c. - in which perhaps you can aid me in the course of this month, and I can drum up enough against you.

Boston, 22^d Decr. 1843.

My Dear Friend

Your kind favor of Dec. 19th reached me yesterday afternoon, just as I was coming into town. and I write this morning from Mr. Green's Library - on the best piece of paper I can lay hands upon.

When you receive Burnett's Lectures - you need not send by mail. - a few days more or less will make no difference with me. But add to the parcel by Hamden's Express. Let me also beg you to send me in this expected parcel - the illustration of bulbs, &c. of my Cambridge figures - it forms a very long sheet. You can retain the rest for your own use in February; and I can also return you this, if you care for it. It is the only one I shall use in the Lowell Lectures - in case I find it large enough, when the figures are colored.

A few weeks since I displayed some of my illustrations - particularly a *Rafflesia* of the size of life - and a splendid figure of the old *Graculus* - true of *Ortara* - in the place where they are to be used - availing myself of the gas-light after Loring's lecture. They looked admirably well.

I shall be glad if you refer Sartwell's *Solidago* to *S. neglecta*, for that was my original opinion, and Carey has never convinced me that it was *S. linoides*. But if you think it new, you know Sartwell has the refusal of it - *S. Sartwellii*.

For the way will not Henry take the place Bache has vacated at Philadelphia? That seemed to be Rogers' opinion here. Salary \$2300!

I have a fine opportunity of sending to Sullivan by a student here - from Columbus, who returns in vacation - about the 10th of Jan'y. - Let me

beg you therefore to pack up the contents of that
"Box of Crypts." - that is the Musci & Fungi.
- and send to me in time to avail myself of this
opportunity. Also the Dagueratype for bulli-
ant. - the pay for which I shall find some way of
transmitting to you. I would modestly insinuate that
the duplicate thereof, the writer would be glad to receive
as a Christmas present.

I can write to Pamplin about Buckleys plants
on the 1st Jan^y. But you must name to me
the minimum price at which they are to be sold.
- that will avoid future difficulties on all sides.
I runnaged out those parcels for Knieskens & at N.
J.P. just as I left for Boston. The box containing them
had not been opened. Early in the Spring I will try to communicate with
Kniesken.

Yesterday I found my two boxes of plants packed
at Asheville. The Buckleys & Hamiltonias
came in excellent order, ~~which is~~ so that we
are sure of them. I got on slowly with
my work - many interruptions.

I have no explicit information to afford Dr. Gilman
as to the matter of illustration drawings made in Paris.
Dr. Wyman could doubtless afford me information to the
purpose, but he is at Richmond, Virginia. - But
if extant engravings are to be copied - the thing can
be very well done in this country.

I have looked into Dict. Sci. Nat. but the derivation
of Pluchea is not there given. The genus was founded
in Annals of Botany, or Bull. Philomath. 1817, where
possibly the derivation may be mentioned. But it doubtless

Commemorates some Mons. Pluche.

You will ask what has brought me to town. —

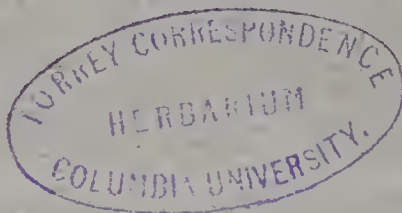
A very recherche dinner-party given to Rogers — the Geologist, by Mr. Tucknor. I go little into secrets: but that little, I take care shall be of the very best. A very pleasant party it proved. No ladies except those of the household. Mrs. & Miss Tucknor, both in the highest degree accomplished. Emerson was of the party, also Prescott the historian. Not choosing to walk to Cambridge in the evening through the snow, I stayed of course at Greaves. —

Mr. Greene has had for some time a cough which gives us some anxiety. But Dr. Bigelow does not appear to think it serious.

Tell Henry I am most glad to receive the love he sends, and return it with interest; and to Mrs. J. that I await her "special epistle" with special anxiety.

Received yesterday a hasty line from Hooker — most about Sullivant's affairs. no news. —

With affectionate regards to all, I remain,
Yours very faithfully A. Gray



R

Dr. John Torrey

Medical College

67 Broadway N.

New York,

Mem. ad Torr.

Dear Doctor

Vide Endl. Gen. p. 1348, for *Ragipetris* ~~reduced~~ to *Oreoclea*
~~also Comptosia under Ledeburina~~

I have just looked at your Remarks on Fournets collection, p. 81.
towards the bottom of the page, you by some slip have enumerated
Silene Drummondii, *Potentilla gracilis*, *Thysanota speciosa* as
alpine plants, which none of them, I suspect properly are.

You recollect our looking at Balsamis together, and preferring
Arnotts's explanation to Roeppis or Bernhards. Lindley adopted
Roeppis in Nat. Hist. But I just notice that in Bot. Reg.
for 1840 he has (under the C. Ind. I. macrochila given a very
clear summary of the different theories, and fallen back
upon Arnotts (which was originally proposed by Kunth),
and since well confirmed by Presl) as the true one, and says
it is confirmed by that species, though I see nothing in it more
than in any other Balsam.

Solidago Ohioensis grows at Niagara Falls. Macrae! 1843.
Darlington enquires after you. Wants to know whether you have
received the copy of *Reliquiae Baldwinianae* he sent you.

The above are old memoranda?

I have just received a long, but most spirited letter
from Mr. Sullivan, - has received the boxes, and thanks
you most warmly for the Muscological matters, -
speaks highly of the Mt. Marcy Mosses. But above all he
found in a bundle mostly rubbish labelled "Princeton"
that great quiddity, the *Shortia* of Muscology, the long lost
Campylocladon hypnoides!!!! He speaks in warm praise

"these magnificent boxes full of Muscology" he calls them.

of the mosses I collected after our separation, especially
of the *Phagna*. — and *Hoskenia lucens*. I also got
Andraea Rothii.

The bundle of plants from Kriesken came to hand
at Cambridge on Saturday last.

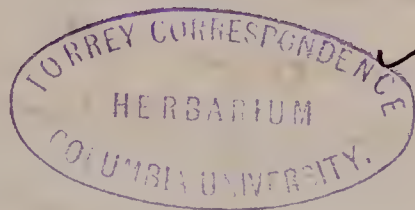
I shall have a fine opportunity of sending to
Sullivan by a student early in January. So let
me have the daguerotype speedily, and if you can
secure ~~the~~ ^a duplicate for your most obd. I
shall be well pleased.

I was going to write you quite a letter but
time fails — and I must wait until ^{the} next op-
portunity occurs.

Yours faithfully

Algray

Send me Burnett on the old trees of Hartness
can lay his hands upon it at Princeton.



57

Campanula caule simplic. fl. cordatis amplexi-
caulis, fl. semilibus.

obs. Flores plurimi primi corollâ, staminibus,
stilo, stigmateque destituti, videntur fructus perficere
et semina: reliqui et sex flores corolla et staminibus
perfectis gaudent, uti idem in Ruellia videre est.,
Linn. bot. Ups. p. 40.

A. de Jussieu (Archiv. du Muséum. 3. p. 84 says - the flowers
of Campanula ^[herfidiata?] cultivated in the Jardin des Plantes, the complete
at the summit, the incomplete along the rest of the stem; the
latter had no external appearance of corolla, stamens, styles, or stigmas.
But that Adolphe Brongniart, ^{had discovered them,} under a little membranous tympanum,
which appears to line the base of the calycinal tube, and
which is nothing else than the rudiment of the corolla. In detaching
it, he found that there was a little space between it and the summit of the
ovary, occupied by 3 microscopic stigmas, and around these 5 stamens of
proportionate size, each with a few grains of well-formed pollen."

Br. Loring